

**Request to Archive
With The National Centers for Environmental Information
For Chesapeake Bay Interpretive Buoy System
Provided by NMFS**

2016-12-19

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

DOC/NOAA/NMFS/OHC/NCBO> NOAA Chesapeake Bay Office

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

The data originate from ten data buoys in the Chesapeake Bay. These buoys continuously record meteorological data at 10-minute resolution and water temperature, salinity, surface waves, and currents at 1-hour resolution. The buoys have been operating since 2007.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2007-06-01
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2017-03-01

7. Who are the expected users of the archived data? How will the archived data be used?

These data are valuable to the academic community. They are currently in use to validate models of Chesapeake Bay circulation. These data will be valuable for assessing long-term trends in the Chesapeake Bay.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

No

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

N/A

10. List the input datasets and ancillary information used to produce the data.

These data are original observations from data buoys in the Chesapeake Bay.

11. List web pages and other links that provide information on the data.

<http://buoybay.noaa.gov>

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. Quality control flags - The level 1 data will be provided with quality control flags computed using the quality control of real-time ocean data (QARTOD) standards. For more processed data, the QARTOD will be followed with a detailed expert review, identifying and removing suspect data. Level 2 and higher levels will be derived from data identified as "good."

13. Indicate the data file format(s).

1. netCDF-4

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

TBD. If you have suggestions we would be interested to hear them.

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

The data are available at buoybay.noaa.gov in *.csv format. The creation of netCDF-4 files is in progress.

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 5GB

Number of Data Files: 100

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 500MB per Year

Data File Frequency: 500 per Year

Data Production Start: 2017-03-01

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

We may continue to update the quality control algorithms. This will change the flags in the level 1 dataset and the data included in higher level products. When significant updates to the processing have occurred, we will submit updated files.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Silver Spring, MD
System Name: CBShoreside
System Owner: DOC/NOAA/NMFS > National Marine Fisheries Service, NOAA,
U.S. Department of Commerce
Additional Information: NOAA building 4, 7th floor server room.

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

TBD- We are interested in your opinion on this.

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. User interface to order and stage data for download
2. Direct download links
3. Advanced web services (e.g., THREDDS Catalog Service)

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

It is my understanding that these data are required to be archived with NCEI to comply with the presidential order on public access to data. Additionally, our internal IT systems are unstable, and it is my hope that NCEI systems are better maintained.

24. Are the data archived at another facility or are there plans to do so? Please explain.

We will continue to offer the data through our website buoybay.noaa.gov. These data are also available in part through the National Buoy Data Center and through the US IOOS regional association MARACOOS 's data portals.

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

No

26. Do you have a data management plan for your data?

No, but we will soon. Any insight you might have would be welcome.

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None